

WE CLAIM:

1. A computer-readable medium having computer-executable components, comprising:

a test case scenario object that comprises test methods that are arranged to test an electronic system;

a test harness that is arranged to provide system test services; and

a test services provider that is arranged to register the system test services and to invoke a particular registered test service from the test harness in response to a request from a test case scenario object test method requesting the particular registered test service.

2. The computer-readable medium of Claim 1, wherein the test services provider comprises a standardized interface that is arranged to be used by any of a plurality of different test harnesses.

3. The computer-readable medium of Claim 1, wherein the standardized interface is further arranged to be used by any of a plurality of test case scenario objects.

4. The computer-readable medium of Claim 1, wherein the system test methods are registered before any of the system test services are invoked.

5. The computer-readable medium of Claim 1, wherein the test services provider is further arranged to store references to test service objects that implement the system test services, wherein the references are stored in response to requests by the test harness.

6. The computer-readable medium of Claim 5, wherein one of the test service objects is retrieved in response to a request by the test case scenario object.

7. The computer-readable medium of Claim 1, wherein a constructor of the test services provider is arranged to add default test services that are provided by a test runtime that is associated with the test services provider.

8. A method for automated testing, comprising:
providing test methods that are arranged to test an electronic system;
providing test services that are associated with a test harness;
registering the test services with a test services provider;
executing one of the test methods; and
invoking a registered test service in response to a request from the executing test method.

9. The method of Claim 8, further comprising providing a standardized interface for the test services provider that is arranged to be used by any of a plurality of different test harnesses.

10. The method of Claim 8, wherein the request from the executing test method uses the standardized interface for the test services provider.

11. The method of Claim 8, wherein the system test methods are registered before any of the system test services are invoked.

12. The method of Claim 8, further comprising storing references to test service objects that implement the system test services, wherein the references are stored in response to requests by the test harness.

13. The method of Claim 12, wherein one of the test service objects is retrieved in response to a request by the test case scenario object.

14. The method of Claim 8, further comprising using a constructor of the test services provider to add default test services that are provided by a test runtime that is associated with the test services provider.

15. A system having computer-executable components, comprising:
a test case scenario object that comprises test methods that are arranged to test an electronic system;
a test harness that is arranged to provide system test services; and
a test services provider that is arranged to register the system test services and to invoke a particular registered test service from the test harness in response to a request from a test case scenario object test method requesting the particular registered test service.

16. The system of Claim 15, wherein the test services provider comprises a standardized interface that is arranged to be used by any of a plurality of different test harnesses.

17. The system of Claim 15, wherein the standardized interface is further arranged to be used by any of a plurality of test case scenario objects.

18. The system of Claim 15, wherein the system test methods are registered before any of the system test services are invoked.

19. The system of Claim 15, wherein the test services provider is further arranged to store references to test service objects that implement the system test services, wherein the references are stored in response to requests by the test harness.

20. The system of Claim 19, wherein one of the test service objects is retrieved in response to a request by the test case scenario object.

21. The system of Claim 15, wherein a constructor of the test services provider is arranged to add default test services that are provided by a test runtime that is associated with the test services provider.

22. A test automation system, comprising:
means for providing test methods that are arranged to test an electronic system;
means for providing test services that are associated with a test harness;
means for registering the test services with a test services provider;
means for executing one of the test methods; and
means for invoking a registered test service in response to a request from the executing test method.

23. The system of Claim 22, further comprising providing a standardized interface means for the test services provider that is arranged to be used by any of a plurality of different test harnesses.

24. The system of Claim 22, wherein the request from the executing test method uses the standardized interface means for the test services provider.

25. The system of Claim 22, wherein the system test methods are registered before any of the system test services are invoked.

26. The system of Claim 22, further comprising means for storing references to test service objects that implement the system test services, wherein the references are stored in response to requests by the test harness.

27. The system of Claim 26, wherein one of the test service objects is retrieved in response to a request by the test case scenario object.

28. The system of Claim 22, further comprising a constructor means of the test services provider that is configured to add default test services that are provided by a test runtime that is associated with the test services provider.